Amendments to the Claims:

10.   (Currently amended) A method of processing signals for a communication system, comprising the steps of:

    receiving an input signal from at least one of a plurality of antennas;

    measuring the input signal;

    producing an output signal corresponding to the measured input signal;

    comparing the output signal to a first reference signal;

    producing a first control signal indicating one of transmit diversity and no transmit diversity of the input signal in response to the step of comparing when the output signal has a value greater than a value of the first reference signal;

    comparing the output signal to a second reference signal; and

    producing a second control signal indicating the other of transmit diversity and no transmit diversity of the input signal in response to the step of comparing when the output signal has a value greater than a value of the second reference signal.

11.   (Original) A method as in claim 10, further comprising the step of producing a third control signal in response to the step of comparing when the output signal has a value between the value of the first reference signal and the value of the second reference signal.

12.   (Currently amended) A method as in claim 10, further comprising the steps of:

    producing a plurality of channel estimates in response to one of the first control signal and the second control signal; and

    producing less at least one channel estimate less than the plurality of channel estimates in response to the other of the first control signal and the second control signal.

25.   (Previously added) A circuit, comprising:

    an estimate circuit coupled to receive an input signal from at least one of a plurality of transmit antennas and coupled to receive a control signal, the control signal corresponding to a

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number of the at least one of a plurality of transmit antennas, the estimate circuit selectively producing a first estimate signal and a second estimate signal in response to the control signal;

a correction circuit coupled to receive the input signal, the first estimate signal and the second estimate signal, the correction circuit producing a corrected input signal;

a combiner circuit coupled to receive the corrected input signal, the combiner circuit producing a combined input signal; and

a decoder circuit coupled to receive the combined input signal, the decoder circuit arranged to decode the combined input signal, thereby producing the control signal.

26.   (Previously added) A circuit as in claim 25, further comprising:

a measurement circuit coupled to receive the input signal, the measurement circuit producing an output signal corresponding to the input signal; and

a comparator circuit coupled to receive the output signal, a first reference signal and a second reference signal, the comparator circuit arranged to produce a second control signal in response to a comparison of the output signal, the first reference signal and the second reference signal.

27.   (Previously added) A circuit as in claim 25, wherein the input signal comprises at least one pilot symbol of a wideband code division multiple access signal.

28.   (Previously added) A circuit as in claim 25, wherein the control signal comprises a transmit diversity signal.

29.   (Previously added) A method of processing signals for a communication system, comprising the steps of:

receiving an input signal from at least one of a plurality of transmit antennas;

receiving a control signal having a value corresponding to a number of the at least one of a plurality of transmit antennas;

selectively combining the input signal from the at least one of a plurality of transmit antennas in response to the control signal;

decoding the input signal, thereby producing the control signal.

30.   (Previously added) A circuit as in claim 29, wherein the control signal comprises a transmit diversity signal.

31.   (Previously added) A circuit as in claim 29, wherein the input signal comprises a data signal of a primary common control physical channel.

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